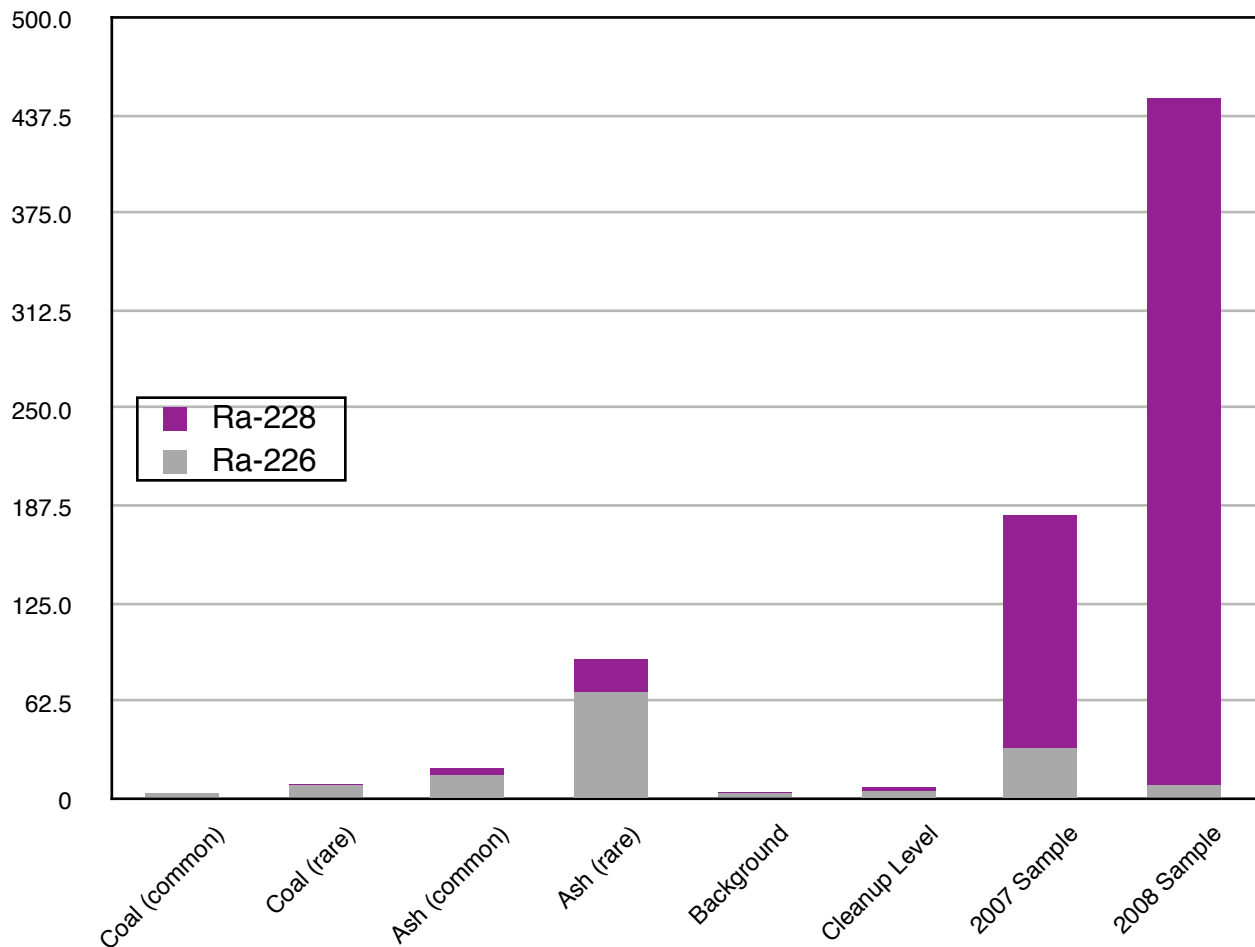


## Uranium and Thorium in Coal Ash vs. Contaminated Materials

Source	Uranium / Radium-226	Thorium / Radium-228	Notes
Coal (common)	1 to 4 ppm (0.34 to 1.34 pCi/g)	1 to 4 ppm (0.11 to 0.44 pCi/g)	Concentrations of uranium and thorium typically range from slightly below 1 to 4 parts per million (ppm). Coals with more than 20 ppm uranium are rare in the United States. Coals with more than 20 ppm thorium are extremely rare.
Coal (rare)	20 ppm (6.7 pCi/g)	20 ppm (2.2 pCi/g)	
Coal Ash (common)	10 to 40 ppm (3.4 to 13.4 pCi/g)	10 to 40 ppm (1.1 to 4.4 pCi/g)	Coal ash typically has concentration 10 times that of the original coal.
Coal Ash (rare)	200 ppm (67 pCi/g)	200 ppm (22 pCi/g)	
Background Level	2.2 pCi/g Ra-226 & Ra-228		Streeterville Background Level
Cleanup Level	5 pCi/g total radium plus background (5 pCi/g + 2.1 pCi/g = 7.1 pCi/g)		Streeterville Cleanup Level
2007 DuSable Sample	30 pCi/g	150 pCi/g	Sample of contaminated material collected at DuSable Park on October 15, 2007.
2008 DuSable Sample	6.6 pCi/g	440 pCi/g	Sample of contaminated material collected at DuSable Park on March 13, 2008.



Monday, March 17, 2008